



## FOUNTAINS

### **PERMITS**

A permit is required any time the following systems are added, altered, or breached: potable water system, electrical circuits, electrical wiring, or electrical equipment. The permit may be obtained by completing an application at the city Building Safety Division located at 190 N. Litchfield Road, Goodyear, Arizona 85338, (623) 932-3004

### **INSPECTION**

All work must be inspected before being covered (this does not include any landscape piping on the load side of a vacuum breaker or wiring on the low voltage side of a landscape lighting transformer). When the work for which the permit was issued has been completed, a final inspection must be requested. Requests for inspection can be made by calling (623) 932-3494, (623) 932-3004, by 3:00 P.M. the business day prior to inspection.

Contractors performing work for which a permit is required must be licensed by the State of Arizona in the discipline of the work performed. Failure to bring into compliance any items noted during an inspection will result in a \$100 re-inspection fee assessment at the next requested inspection. Failure to request an inspection before the work is covered or completed will result in a notice to comply and additional fees.

Fountains 18 inches or deeper must comply with the City zoning requirements for a pool fencing.

The following items represent the most common requirements for the installation of fountain equipment. This list is not all inclusive, but it will help the installer obtain approval for compliance during inspection:

### **PLUMBING**

Refer to the City of Goodyear Landscape Vacuum Breaker handout for plumbing and vacuum breaker requirements.

### **ELECTRICAL**

Circuit breakers must be legibly marked to indicate it's purpose with durable ink or other durable means.

Circuit breakers installed in panelboards must be the specific type listed on the panel cover.

Grounding and neutral (grounded) conductors must not be terminated under or share the same lug or terminal. More than one grounding conductor may share the same termination where listed by the manufacturer, refer to the label on the inside panelboard cover.

Outdoor receptacle outlets used to supply power to cord connected equipment must be GFCI protected and in a weatherproof enclosure, the integrity of which is not affected when the attachment plug cap is inserted.

Underground conduit must be buried in accordance with 2002 NEC 300.5. Residential branch circuits rated 120 volts, maximum 20 amps, and GFCI protected may be buried 12 inches below grade.

Electrical installations for fountains shall comply with 2002 NEC Article 680 Part V. Fountains that have water common to a pool shall comply with the pool requirements of 2002 NEC Article 680 Part I & II.

Ground-Fault Circuit Interrupter (GFCI) protection shall be installed in the branch circuit supplying fountain equipment.

All metal piping systems associated with the fountain shall be bonded to the fountain branch circuit equipment grounding conductor.

The following equipment shall be grounded:

Fountain associated electrical equipment by an insulated copper grounding conductor.

Electrical equipment within 5 feet of the inside walls of the fountain.

Subservice panelboards supplying power to fountains shall be grounded in accordance with 2002 NEC 680.54